Calderbank 2000-0238

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Patent Application

Inventor(s)	Ayman F Naguib Arthur R Calderbank	Case Name	Calderbank 2000-0238
Filing Date	10/13/2000	Serial No.	09/687,238
Examiner	Jean B. Corrielus	Group Art Unit	2631
Title	Equalization of Transmit Diversity Space-Time Coded Signals		

PATENT No. 7,010,029   ISSUED: 03/07/2006

ASSISTANT COMMISSIONER FOR PATENTS
   WASHINGTON, D.C. 20231
SIR:

REQUEST FOR ISSUANCE OF CERTIFICATE OF CORRECTION
UNDER 37 CFR 1.322

RECONSIDERATION

In accordance with the provisions of 37 CFR 1.322, please issue a Certificate of Correction for the above-numbered patent as set forth in the attached Certificate of Correction form.

The location of the mistakes in the printed patent are set forth by column and line number in the attached Certificate of Correction.

This request was initially filed on 3/1/2011, but it was denied because the changes as proposed were allegedly not supported by the specification as filed. This request for reconsideration is submitted with supporting information which demonstrates that the proposed changes ARE supported by the specification as filed.

1.   Attention is respectfully directed to equation (13) on page 8.
2.   This application is the non-provisional filing of the provisional application 60/196,599, filed April 13, 2000, from which it claims priority. Attention is respectfully directed to page 12 of that filing, which for convenience of the Office is enclosed herewith.

1

Calderbank 2000-0238

It is respectfully submitted that even without noting the obviousness of the typographical error and the obviousness of the nature of the error in light of the specification and the Provisional Application from which priority is derived, there exists ample support for issuing the certificate of correction. For that reason, reconsideration and approval of the certificate of correction is respectfully requested.

Respectfully,
Ayman F Naguib
Arthur R Calderbank

Dated: 10/28/2011

By: /Henry T. Brendzel/
Henry T. Brendzel
Reg. No. 26,844
Phone (973) 467-2025
Fax (973) 467-6589
email brendzel@comcast.net

2

Reduced State MLSE

AT&T Labs

- Branch Metric for Delayed Decision Reduced State MLSE

$$\xi_j(k) = \left| r(k-1) - \sum_{l=0}^{L_1} \tilde{h}_j(l)\tilde{x}(k-l) - \sum_{l=L_1+1}^{L+1} \tilde{h}_j(l)\hat{x}(k-l) \right|^2$$

$\tilde{x}(k-l)$: symbols corresponding to the current state

$\hat{x}(k-l)$: symbols on the surviving path into current state

- Branch metric for M receive antennas

$$\xi(k) = \sum_{j=1}^{M} \xi_j(k)$$